

Title (en)  
LOW-NOISE MIXER

Title (de)  
RAUSCHARME MISCHERSCHALTUNG

Title (fr)  
MELANGEUR DE FAIBLE BRUIT

Publication  
**EP 1844543 A1 20071017 (EN)**

Application  
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Abstract (en)  
[origin: WO2006077552A1] The system and method of the present invention provide a single mixer (200-400) with significantly reduced noise performance at a low cost by adding a current control circuit (109) that reduces the current in at least the switching stage (103, 303, 403) during polarity changes of the local oscillator (LO) signal (104). Alternative embodiments (300- 400) are provided for a single mixer having significantly reduced noise wherein the low- noise characteristic is enhanced by a further modification to the switching stage (303-403).

IPC 8 full level  
**H03D 7/14** (2006.01)

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